ASHLEY RIVER BASIN 425

021720816 DORCHESTER CREEK NEAR COOKE CROSSROADS, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD. -- July 2001 to September 2001.

PERIOD OF DAILY RECORD. --

SPECIFIC CONDUCTANCE: July 2001 to September 2001.

WATER TEMPERATURE: July 2001 to September 2001.

DISSOLVED OXYGEN: July 2001 to September 2001.

INSTRUMENTATION.--Water-quality multiprobe and data collection platform.

REMARKS.-- Specific conductance records rated good. Temperature records rated excellent. Dissolved oxygen records rated poor. Dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: Maximum, 7,160 microsiemens, July 23, 2001; minimum, 59 microsiemens, Sep. 3, 2001.

WATER TEMPERATURE: Maximum, 33.5°C, Aug. 1, 2001; minimum, 18.5°C, Sep. 30, 2001.

DISSOLVED OXYGEN: Maximum, 11.6 mg/L, Sep. 26, 2001; minimum, 1.5 mg/L, July 29, 2001.

EXTREMES FOR CURRENT YEAR. --

SPECIFIC CONDUCTANCE: Maximum, 7,160 microsiemens, July 23; minimum, 59 microsiemens, Sep. 3.

WATER TEMPERATURE: Maximum, 33.5°C, Aug. 1; minimum, 18.5°C, Sep. 30.

DISSOLVED OXYGEN: Maximum, 11.6 mg/L, Sep. 26; minimum, 1.5 mg/L, July 29.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
		JUNE		JULY			AUGUST			SEPTEMBER			
1							1020	467	679	1640	579	854	
2							1060	525	710	1480	313	865	
3							1120	573	734	313	59	148	
4							1210	622	797	149	73	114	
5							1210	433	641	318	149	212	
6							1140	348	651	410	219	283	
7				4310	1130	2600	1240	412	682	525	249	348	
8				4310	738	2460	1300	511	789	559	263	360	
9				4130	1340	2480	1380	611	869	555	258	350	
10				4180	1900	2870	1480	689	906	521	263	332	
11				4300	2300	3110	1620	760	975	580	262	331	
12				4440	1150	2950	1490	757	953	789	270	411	
13				4390	256	1930	1830	723	1020	1040	279	521	
14				4650	942	2690	1590	214	705	1280	310	641	
15				4580	1330	2700	1900	225	613	1760	356	831	
16				4860	1800	3110	2540	231	1200	2290	432	1190	
17				5180	2180	3520	2640	470	1410	2330	618	1410	
18				5510	2510	3780	2520	609	1500	2550	810	1570	
19				5780	2700	3950	1730	142	425	2940	972	1770	
20				6440	328	3840	399	71	144	3160	1130	1900	
21				6940	885	3840	1150	113	261	3500	1100	2090	
22				7050	1920	4750	1440	214	676	3500	1180	2130	
23				7160	241	3070	1730	251	830	3670	1350	2260	
24				5680	280	2430	1810	348	911	3610	994	2260	
25				5390	522	2570	1980	545	1020	3160	429	1570	
26				5370	191	2190	1960	621	1090	3280	353	1520	
27				3170	151	578	1830	646	983	3360	546	1810	
28				290	152	234	1330	515	763	3630	859	2150	
29				751	252	340	1230	471	662	3910	1200	2490	
30				822	325	465	1350	518	722	4030	1370	2690	
31				986	389	623	1490	532	793				
MONTH				7160	151	2520	2640	71	810	4030	59	1180	
YEAR	7160	59	1440										

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021720816 CORCHESTER CREEK NEAR COOKE CROSSROADS, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
		JUNE		JULY				AUGUST			SEPTEMBER		
1 2							33.5 31.0	26.5 25.5	28.5 28.0	30.0 30.5	27.5 26.5	29.0 28.5	
3							31.5	25.5	28.5	27.5	24.5	26.0	
4							30.0	25.5	28.0	26.0	24.0	25.0	
5							30.5	26.0	28.0	28.5	25.0	26.5	
6							32.0	26.5	29.0	28.0	25.0	26.5	
7				31.5	26.5	29.5	32.5	27.0	29.5	26.5	24.0	26.0	
8				30.0	26.0	28.5	32.5	27.5	30.0	27.0	24.0	25.5	
9				31.5	26.5	29.0	32.0	28.0	30.0	27.0	25.0	26.0	
10				32.0	27.0	29.5	32.5	27.5	30.0	28.5	24.0	26.5	
11				32.0	28.0	30.0	32.0	27.5	29.5	28.5	25.5	27.0	
12				31.0	29.0	30.0	31.0	27.5	29.0	27.5	25.5	26.5	
13				30.0	27.0	28.5	31.5	27.5	29.5	27.0	25.0	26.0	
14				29.5	25.5	28.0	29.5	26.5	28.5	26.0	25.0	25.5	
15				29.0	25.5	27.5	31.0	25.0	28.0	25.0	22.5	23.5	
16				28.5	25.0	27.0	31.0	26.5	28.5	23.5	20.0	22.5	
17				30.5	25.0	27.5	33.0	27.5	30.0	23.5	20.5	22.5	
18				30.5	26.0	28.5	32.0	29.0	30.0	23.0	20.0	22.0	
19				31.5	26.5	29.0	29.0	25.5	27.5	23.5	20.0	22.0	
20				29.5	27.0	28.5	28.5	24.5	26.0	24.0	21.5	23.0	
21				28.5	25.5	27.5	28.5	24.5	26.0	25.5	23.0	24.0	
22				28.0	25.0	27.0	28.5	25.5	27.0	26.0	23.5	24.5	
23				29.0	25.5	27.5	28.5	25.0	27.0	26.0	24.0	25.0	
24				29.0	26.5	28.0	28.5	25.5	27.0	26.0	24.5	25.5	
25				30.0	26.5	28.0	28.5	25.5	27.0	25.5	23.0	25.0	
26				29.0	26.0	27.5	28.5	25.5	27.5	24.0	20.5	23.0	
27				28.5	24.5	26.5	29.5	26.0	28.0	24.5	20.5	23.0	
28				25.0	24.5	25.0	32.0	27.5	29.0	25.5	21.0	23.0	
29				29.5	24.5	27.0	32.0	27.5	29.5	23.0	20.0	22.0	
30				30.5	27.0	28.0	32.0	28.0	29.5	22.5	18.5	21.0	
31				32.0	26.5	28.5	33.0	28.0	30.0				
MONTH				32.0	24.5	28.1	33.5	24.5	28.5	30.5	18.5	24.7	
YEAR	33.5	18.5	27.1										

ASHLEY RIVER BASIN 427

021720816 CORCHESTER CREEK NEAR COOKE CROSSROADS, SC--Continued OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY MAX MIN MEAN MAX MIN MEAN MAX MIN MEAN MAX MIN MEAN JUNE JULY AUGUST SEPTEMBER 7.0 4.2 4.0 3.5 2.0 7.3 4.4 ------------------3.4 2 6.4 2.3 8.0 ___ 5.5 7.2 7.2 2.4 3 4.1 6.6 4.6 4 5 ---------___ 4.3 ------5.5 4.1 4.9 3.2 7.0 3.0 4.9 6 7 5.6 5.7 ---9.9 3.7 7.9 4.8 ------3.3 4.6 4.7 ------9.3 4.0 5.5 9.2 4.0 6.7 2.8 ___ 4.2 4.2 8.2 7.4 3.8 5.3 8 9.6 5.8 6.4 3.0 ------2.7 8.3 9.6 ---5.8 6.8 4.6 10 4.1 6.1 8.4 3.8 5.3 5.3 ---6.9 11 ------8.9 4.3 6.0 4.0 4.9 8.5 3.5 5.2 4.5 4.2 4.7 ---------7.3 5.1 4.9 12 3.9 5.6 3.8 3.5 6.3 13 2.0 3.1 8.9 3.4 4.9 9.0 5.2 ---------4.1 5.0 14 3.1 8.6 3.5 15 ___ ---4.2 10.8 3.3 4.2 16 ---8.5 4.4 5.3 9.7 3.9 5.1 8.0 4.6 5.6 7.9 7.1 7.2 17 ---------8.5 10.1 4.4 5.8 3.9 5.2 8.3 4.6 5.6 18 4.8 5.8 11.4 4.5 6.4 5.7 4.9 7.5 19 ------3.5 5.0 6.0 20 ---------4.6 8.4 4.2 5.5 6.8 5.3 5.9 21 8.5 3.7 5.4 7.5 6.5 5.6 4.4 5.4 4.9 22 ---------7.5 7.3 3.9 5.4 5.1 4.7 5.5 5.4 5.2 7.1 4.0 6.3 6.8 4.2 6.6 24 8.5 5.4 6.8 4.3 5.0 6.8 8.5 25 ------___ 3.8 5.6 8.1 4.5 5.3 8.3 4.0 5.6 26 9.5 3.2 5.0 8.0 5.6 11.6 4.1 6.3 4.6 7.3 6.1 5.3 27 28 ---------2.5 4.1 4.2 7.1 4.7 5.5 9.3 4.2 6.2 3.7 3.7 3.9 1.5 6.8 3.6 4.9 11.5 4.8 30 31 ___ ---___ 5.8 7.0 1.9 2.3 7.2 7.5 3.3 4.3 11.3 5.1 6.9 ------3.5 ------MONTH ---------11.4 1.5 5.2 10.8 2.0 5.0 11.6 2.7 5.4

YEAR

11.6

1.5

5.2